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CIA/PIR-14/64
May 1964

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS, WACS 194, 196, 198 THROUGH 205, AND 231 THROUGH 234

25X1

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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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PREFACE

This is the sixth in a series of reports, prepared in response to CIA requirement C-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations. 1-5/ Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-5), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and unidentified installations, possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation has not been determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

INTRODUCTION

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 194, 196, 198, 199, 200, 201, 202, 203, 204, 205, 231, 232, 233, and 234 and identified on photography. The cutoff date for this information [redacted] Figure 1 shows all the WAC areas, except Cuba, which will be covered in this series; those in red are covered in this series; WACs covered in previous reports are outlined in red, and the report number is indicated on the graphic. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-14), which gives detailed data, and a map (Figures 3-16), which indicates the location and type of each SAM installation. Because of the volume of data for WACs 232 and 233, Figures 14 and 15 have been repeated for easier reference.

25X1D

Explanations of the columnar headings used in the tables are as follows:

Item--Given in numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to the accompanying WAC.

Name, Site Designator, BE Number--In accordance with the TDI. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates--Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map Reference--BE country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration--Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears--Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated--Refers to the latest [redacted] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

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Remarks--Covers items of special or unusual interest.

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Table 1. SAM Installations as of 1 Jul 19[redacted]

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appeared	Mission & Date Installation Negated	Remarks
A. Petropavlovsk-Kamchatskiy SAM Defenses (in defense of major submarine base, ship repair yards, government and military control headquarters)							
25X1A	1 [redacted]	53-20-00N	158-10-10E	UR 0191-17	SA-2, configuration undetermined		
25X1A	2 [redacted]	53-02-10N	158-18-00E	UR 0191-17	SA-2, configuration undetermined		This unmodified site is collocated with Petropavlovsk SAM Site B28A-2. It was previously carried as a Category 2, SA-0 SAM Site.
25X1A	3 [redacted]	53-02-45N	158-18-20E	UR 0191-17	SA-2, star		
25X1A	4 [redacted]	52-55-28N	158-29-00E	UR 0191-22	SA-2, configuration undetermined		
	5 Petropavlovsk-Kamchatskiy SAM Site	52-55-15N	158-30-10E	UR 0191-17	SA-3, configuration undetermined		
25X1A	6 [redacted]	52-51-20N	158-37-50E	UR 0191-17	SA-2, probable link		
25X1A	7 [redacted]	52-52-10N	158-37-00E	UR 0191-17	SA-2, link		25X1D
25X1A	8 [redacted]	52-55-10N	158-15-20E	UR 0191-17	SA-3, configuration undetermined		
25X1A	9 [redacted]	52-55-20N	158-15-20E	UR 0191-17	SA-2, star		
25X1A	10 Petropavlovsk-Kamchatskiy SAM Support Facility [redacted]	53-01-00N	158-16-00E	UR 0191-17	Type I (rectangular)		
25X1A	11 [redacted]	53-05-45N	158-51-30E	UR 0191-17	SA-2, star		
25X1A	12 Mys Shipun-kiy SAM Site B31-2 [redacted]	53-12-18N	159-16-30E	UR 0191-18	SA-2, configuration undetermined		
25X1A	13 Mys Shipun-kiy SAM Site A36-2 [redacted]	53-11-55N	159-59-36E	UR 0191-18	SA-2, configuration undetermined		
25X1A	14 Petropavlovsk-Kamchatskiy SAM Site A06-3 [redacted]	53-06-10N	158-51-25E	UR 0191-17	SA-3, configuration undetermined		
	15 Petropavlovsk-Kamchatskiy SAM Site	53-06-25N	158-23-05E	UR 0191-17	SA-3, configuration U		

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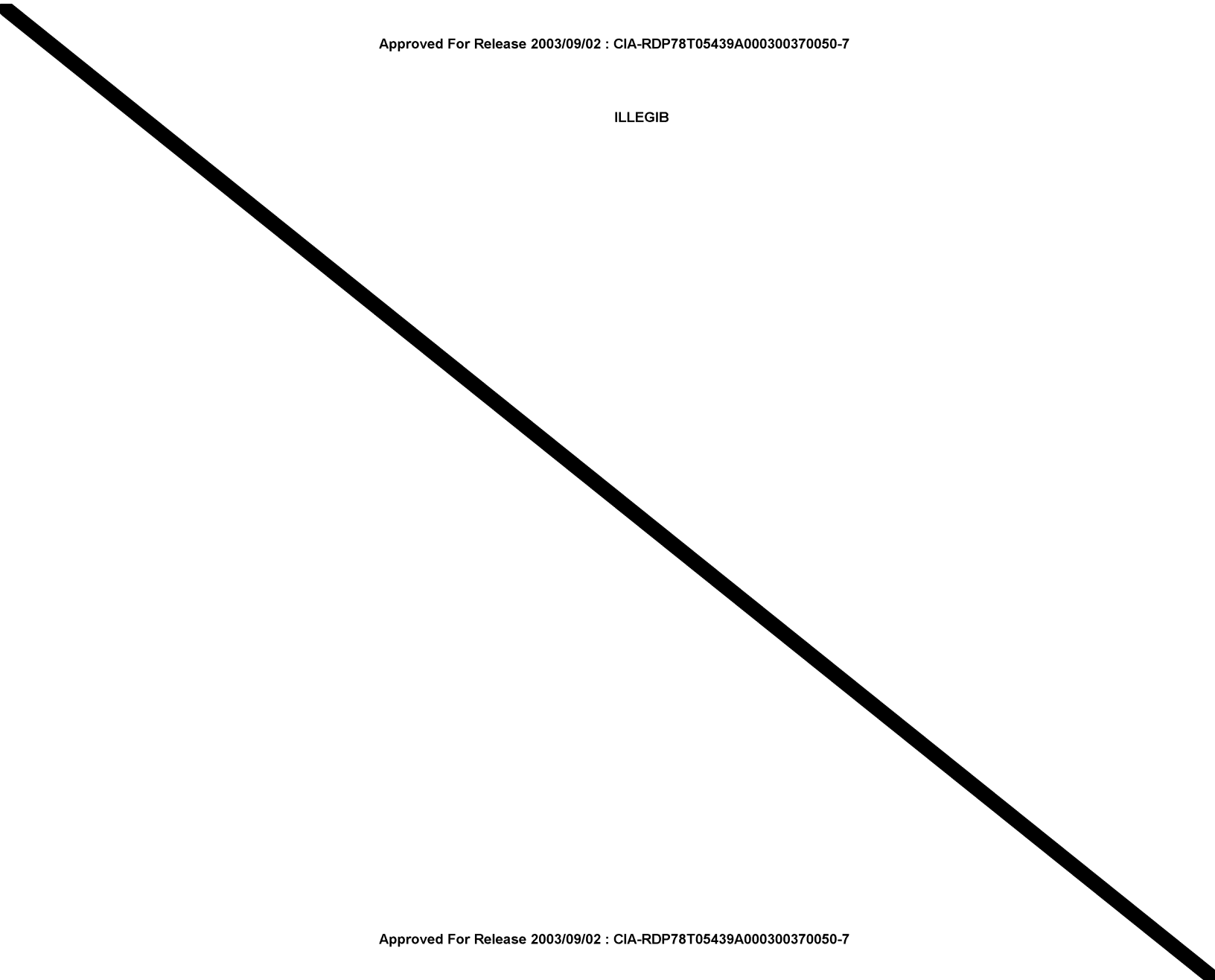

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Table 2. SAM Installations as of 1 Jan 196

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
	A. Nikolayevsk-Na-Amure SAM Defenses (in defense of Nikolayevsk-Na-Amure major shipbuilding and repair center, and port facilities)						
25X1A	1 Nikolayevsk SAM Site A[redacted]	53-10-10N 140-14-15E	UR 0196-17	SA-2, link			
25X1A	2 Nikolayevsk SAM Support Facility	53-07-25N 140-52-15E	UR 0196-17	Type II (square)			
25X1A	3 Nikolayevsk SAM Site B[redacted]	53-03-10N 141-11-00E	UR 0196-17	SA-2, link			
	4 Nikolayevsk SAM Site C[redacted]	52-50-52N 141-13-30E	UR 0196-17	SA-2, link			25X1D
	B. Defensive Role Undetermined						
25X1A	5 Okha SAM Site A[redacted]	53-36-00N 143-02-00E	UR 0196-18	SA-2, fan			

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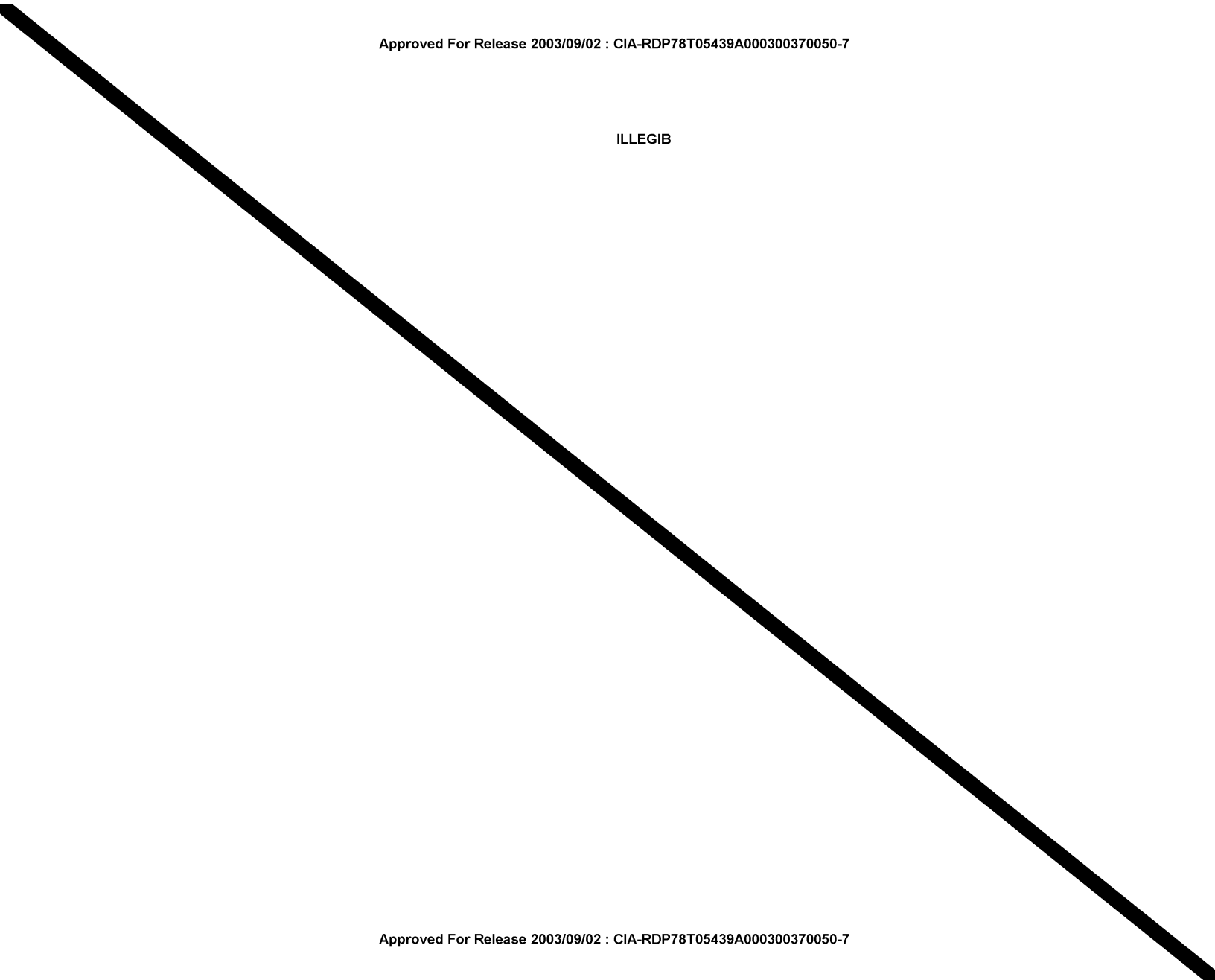

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Table 3. SAM Installations as of 1 Jan 68

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appear.	Mission & Date Installation Negated	Remarks
A. Svobodnyy ICBM Complex SAM Defenses (in defense of Svobodnyy ICBM Complex)							
1	Svobodnyy ICBM Complex SAM Site Bdlg.	52d07-30N 128d17-00E	CH 0139-2a	SA-2, configuration undetermined	[redacted]		

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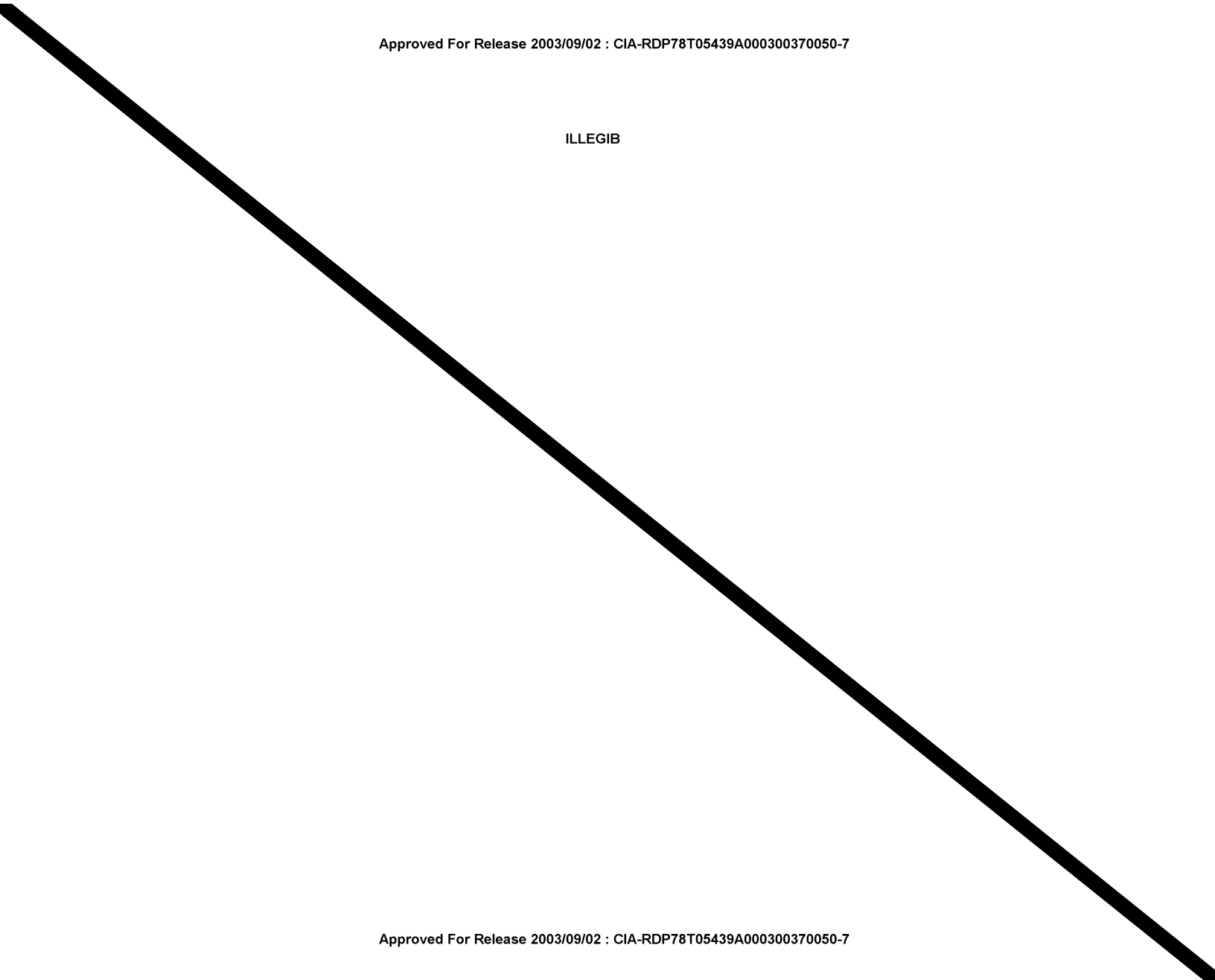

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Table 2. SAM Installations on Black Sea

Item	Name, Site Designator, & RE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Chata SAM Defenses (in defense of Chata: population center, government and military control center)							
1	Chata SAM Support Facility	52°01'12"N 113°30'00"E	UR 0199-22	Type II (quater)			
2	Chata SAM Site B02-2	52°12'50"N 113°32'10"E	UR 0199-22	SA-2, link 1			

25X1A [redacted] 25X1D

25X1A [redacted]

25X1B [redacted]

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Table 5. SAM Installations on B.A.C. 200

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Cheremkhovo SAM Defenses (in defense of Belaya Airfield-medium bomber base)							
1	Cheremkhovo SAM Site C10-2, [redacted]	53-07-15N	103-12-30E	UR 0200-16	SA-2, Imk		
2	Cheremkhovo SAM Site B13-2,	52-49-15N	103-07-30E	UR 0200-16	SA-2, Imk		

25X1A [redacted] 25X1D

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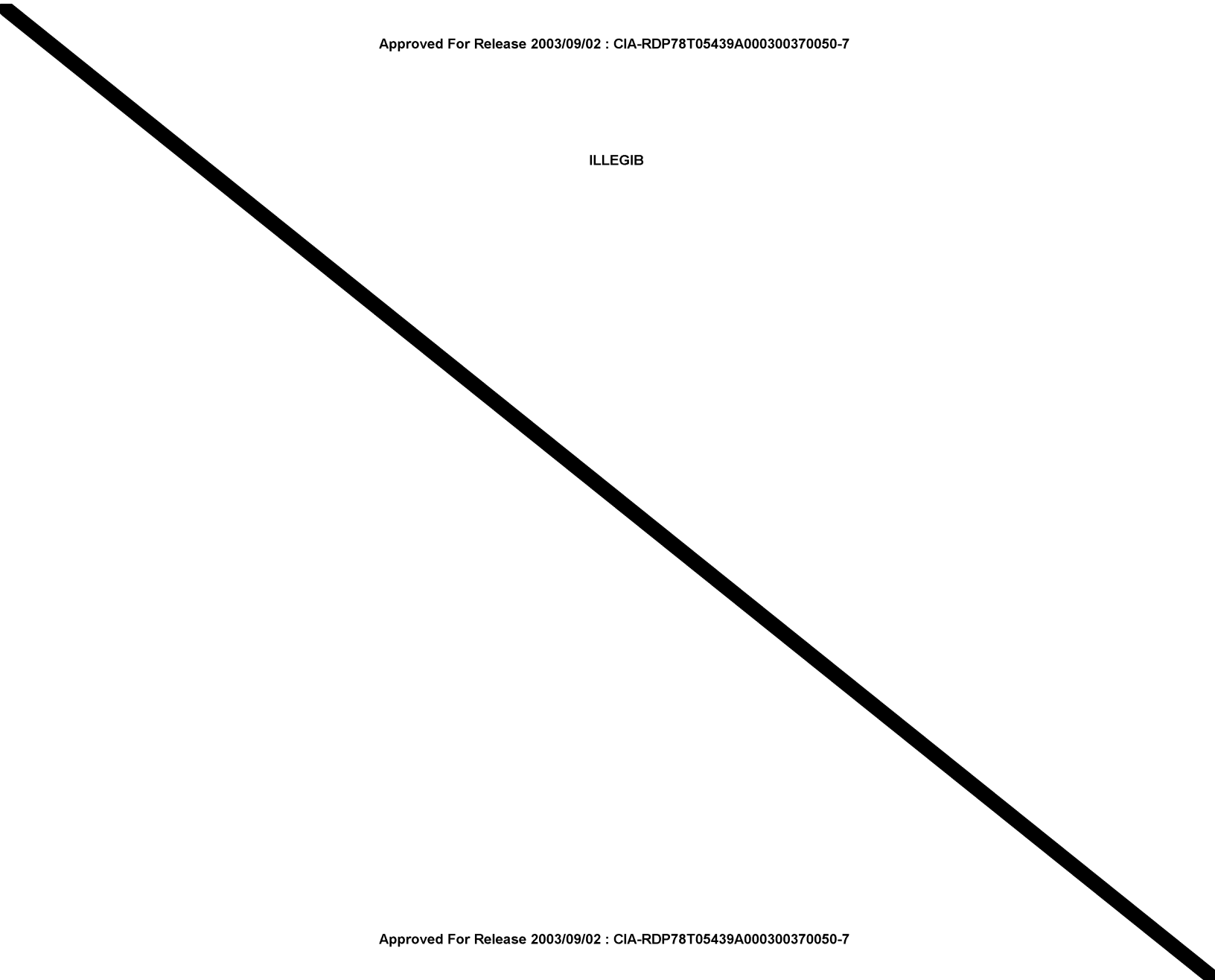

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TABLE 6. SAM Installations as of [redacted]

Item	Name, Site Designator, & IRE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date 1st-t Appears	Mission & Date Installation Negated	Remarks
	A. Ulan-Ude SAM Defenses (to defense of Ulan-Ude: industrial, rail, and communications center, aircraft assembly plant, population center, government control center)						
25X1A	1 Ulan-Ude SAM Site B24-2 [redacted]	51-13-30N 107-22-00E	UR 0201-1	SA-2, link			
25X1A	2 Ulan-Ude SAM Site A23-2	51-54-20N 107-33-15E	UR 0201-1	SA-2, probable link			
25X1A	3 Ulan-Ude SAM Support Facility	51-47-45N 107-36-10E	UR 0201-1	Type B (Quake)			
	4 Ulan-Ude SAM Site C19-2	51-56-10N 108-11-30E	UR 0201-2	SA-2, probable link			
	B. Chita SAM Defenses (to defense of Chita: population center, government and military control center)						
25X1A	5 Chita SAM Site B14-2 [redacted]	51-53-00N 113-12-00E	UR 0201-5	SA-2, star			
	C. Dravyanaya ICBM Complex SAM Defenses (to defense of Dravyanaya ICBM Complex)						
25X1A	6 Dravyanaya ICBM Complex SAM Site C26-2 [redacted]	51-22-35N 112-26-45E	UR 0201-1	SA-2, link			
25X1A	7 Dravyanaya ICBM Complex SAM Site B14-2 [redacted]	51-17-30N 113-22-00E	UR 0201-5	SA-2, link			

[redacted] 25X1D

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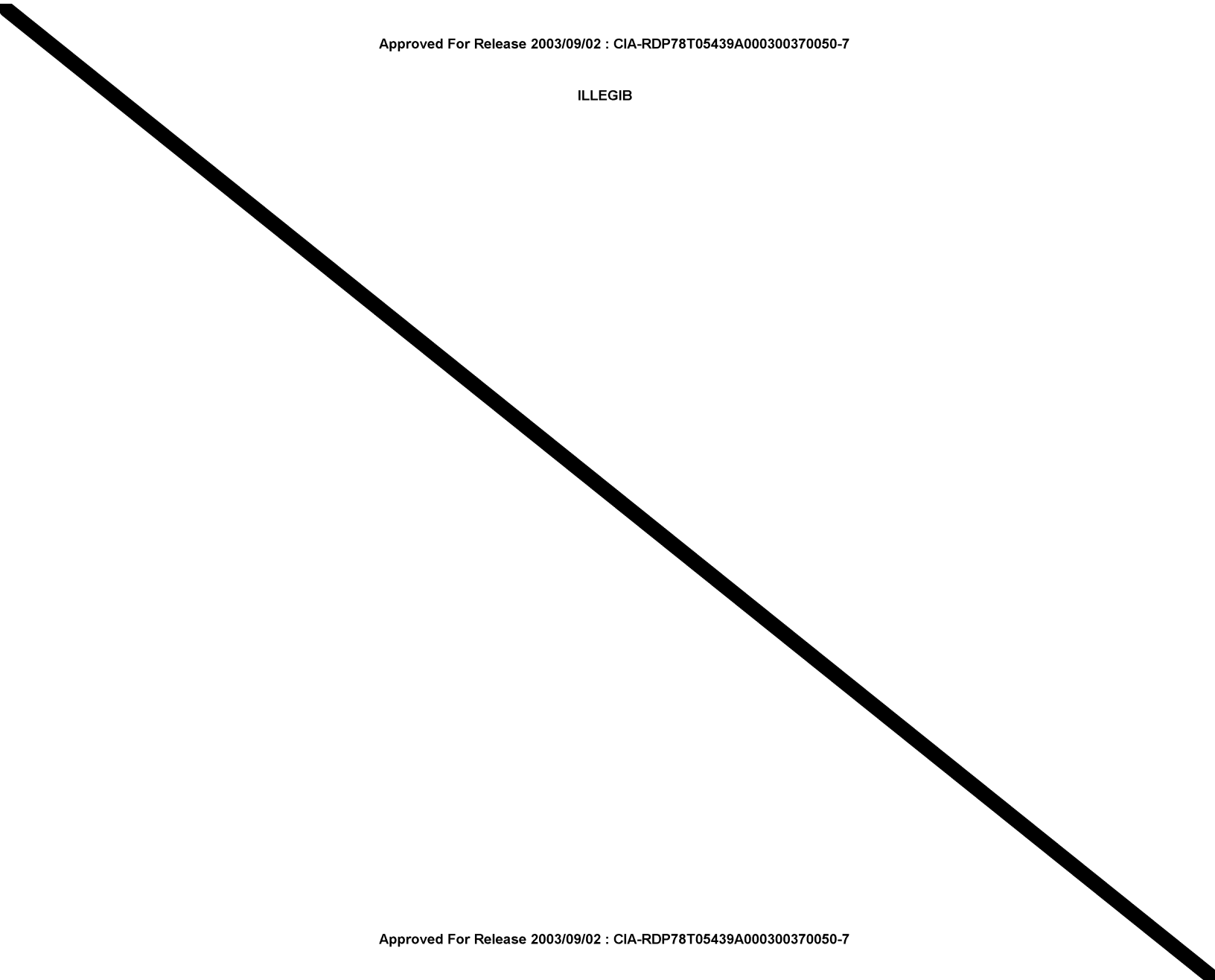

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Table 7. SAM Installations on B.A.C. 202

Item	Name, Site Designator, & RE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Oloyannaya ICBM Complex SAM Defenses (in defense of Oloyannaya ICBM Complex)							
25X1A 1	Oloyannaya SAM Site C03-2 [redacted]	54-18-30N 115-54-15E	UR 0202-1	SA-2, link			
2	Oloyannaya SAM Site B47-2	50-46-00N 115-41-30E	UR 0202-6	SA-2, probable link			
3	Khadabulak SAM Site A26-2,	50-42-25N 115-58-10E	UR 0202-6	SA-2, configuration undetermined			This is an unrevetted site.
25X1A 4	Khadabulak SAM Site A27-2 [redacted]	50-43-30N 116-04-20E	UR 0202-6	SA-2, configuration undetermined			This is an unrevetted site.
25X1A 5	Khadabulak SAM Support Facility [redacted]	50-44-00N 116-07-00E	UR 0202-6	Type II (square)			
25X1A 6	Khadabulak SAM Site A07-2 [redacted]	50-46-00N 116-18-20E	UR 0202-6	SA-2, link			
25X1A 7	Oloyannaya ICBM Complex SAM Site C04-2, [redacted]	54-03-20N 116-21-00E	UR 0202-6	SA-2, probable link			

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Item	Name, Site Designator, & HE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appear	Mission & Date Installation Negated	Remarks
25X1	[redacted]						

B. Komsomol-sk SAM Defenses (in defense of Komsomol-sk, major shipyard, aircraft plant, iron and steel plant, and air defense headquarters)

25X1A	6	Komsomol-sk SAM Site B21-2	50-25-20N	136-54-40E	UR 0204-14	SA-2, probable link	[redacted] 25X1D
	7	Komsomol-sk SAM Site B22-2	50-25-00N	136-55-30E	UR 0204-8	SA-2, probable link	
25X1A	8	Komsomol-sk SAM Support Facility	50-15-20N	136-55-50E	UR 0204-8	Type I (rectangular)	
	9	Komsomol-sk SAM Site A33-2	50-11-20N	136-52-10E	UR 0204-8	SA-2, probable link	
	10	Komsomol-sk SAM Site B04-2	50-13-20N	137-11-30E	UR 0204-8	SA-2, probable far	
	11	Komsomol-sk SAM Site B11-2	50-24-00N	137-22-00E	UR 0204-8	SA-2, probable link	
25X1A	17	Komsomol-sk SAM Site B13A	50-24-00N	137-26-50E	UR 0204-8	SA-2, configuration undetermined	

C. Sovetskaya Gavan SAM Defenses (in defense of Sovetskaya Gavan' MRBM complex, large naval base, shipbuilding and repair facilities for Soviet Pacific fleet, port facilities, submarine base, and air defense headquarters)

25X1A	12	Sovetskaya Gavan SAM Site A04-2	49-10-50N	140-19-00E	UR 0204-20	SA-2, link	[redacted]
	13	Sovetskaya Gavan SAM Site A13-2	48-59-10N	140-22-10E	UR 0204-20	SA-2, link	
25X1A	14	Sovetskaya Gavan SAM Support Facility, [redacted]	48-58-25N	140-12-20E	UR 0204-19	Type II (square)	
	15	Sovetskaya Gavan SAM Site A25-2	48-56-30N	140-05-20E	UR 0204-20	SA-2, +4r	
25X1A	16	Sovetskaya Gavan SAM Site B19-2	49-19-10N	140-13-14E	UR 0204-20	SA-2, link	

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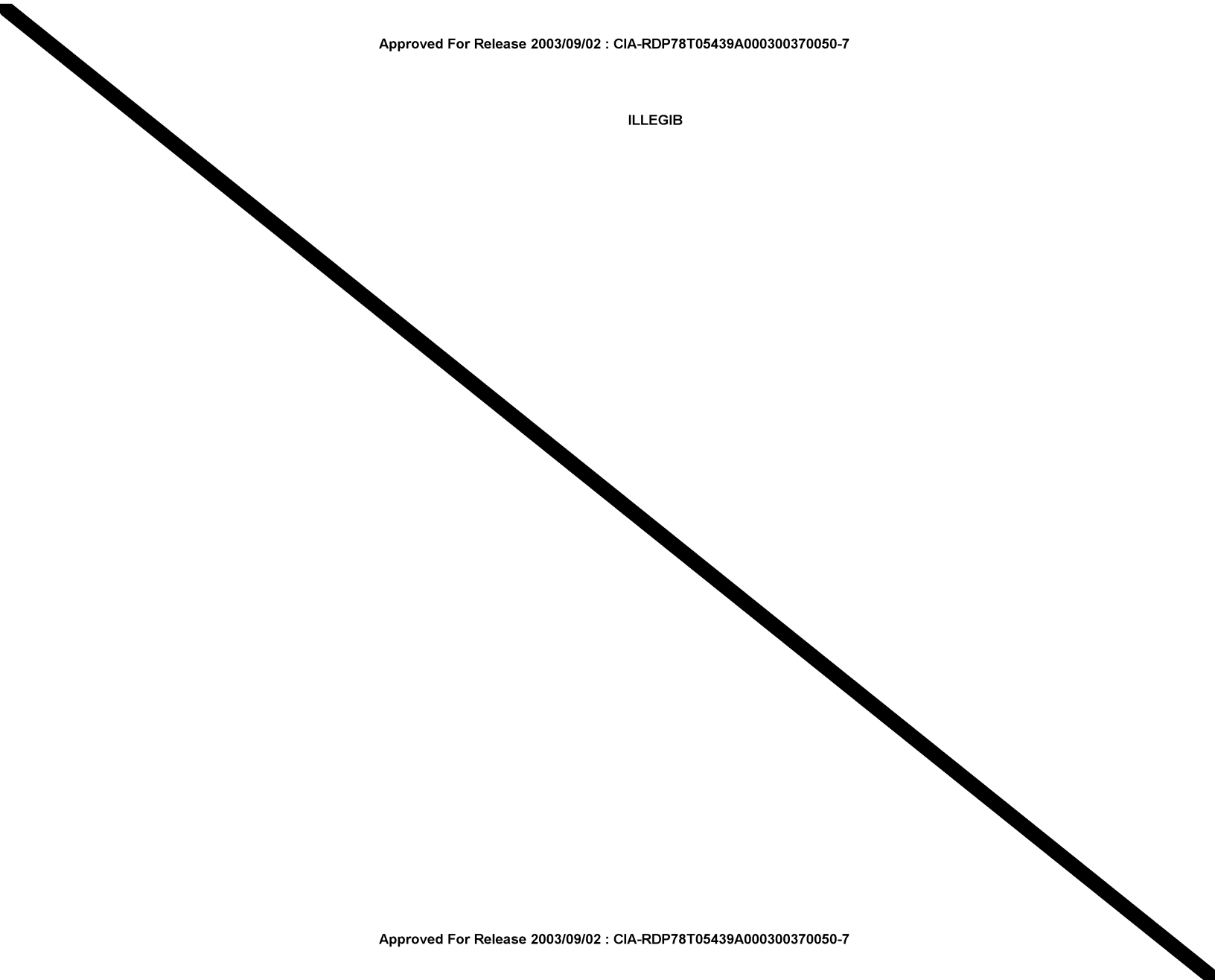

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Table No. SAM Installations as of 1 Jan 64

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appear-	Mission & Date Installation Negated	Remarks
A. Potomac-K SAM Defense (defense radar has not been determined)							
25X1A 1	Potomac-K SAM Site B22-2 [redacted]	[redacted]	CIR 020-16	SA-2 Guideline	[redacted]		25X1D
2	Potomac-K SAM Site A22-2	[redacted]	CIR 020-16	SA-2 configuration undetermined			

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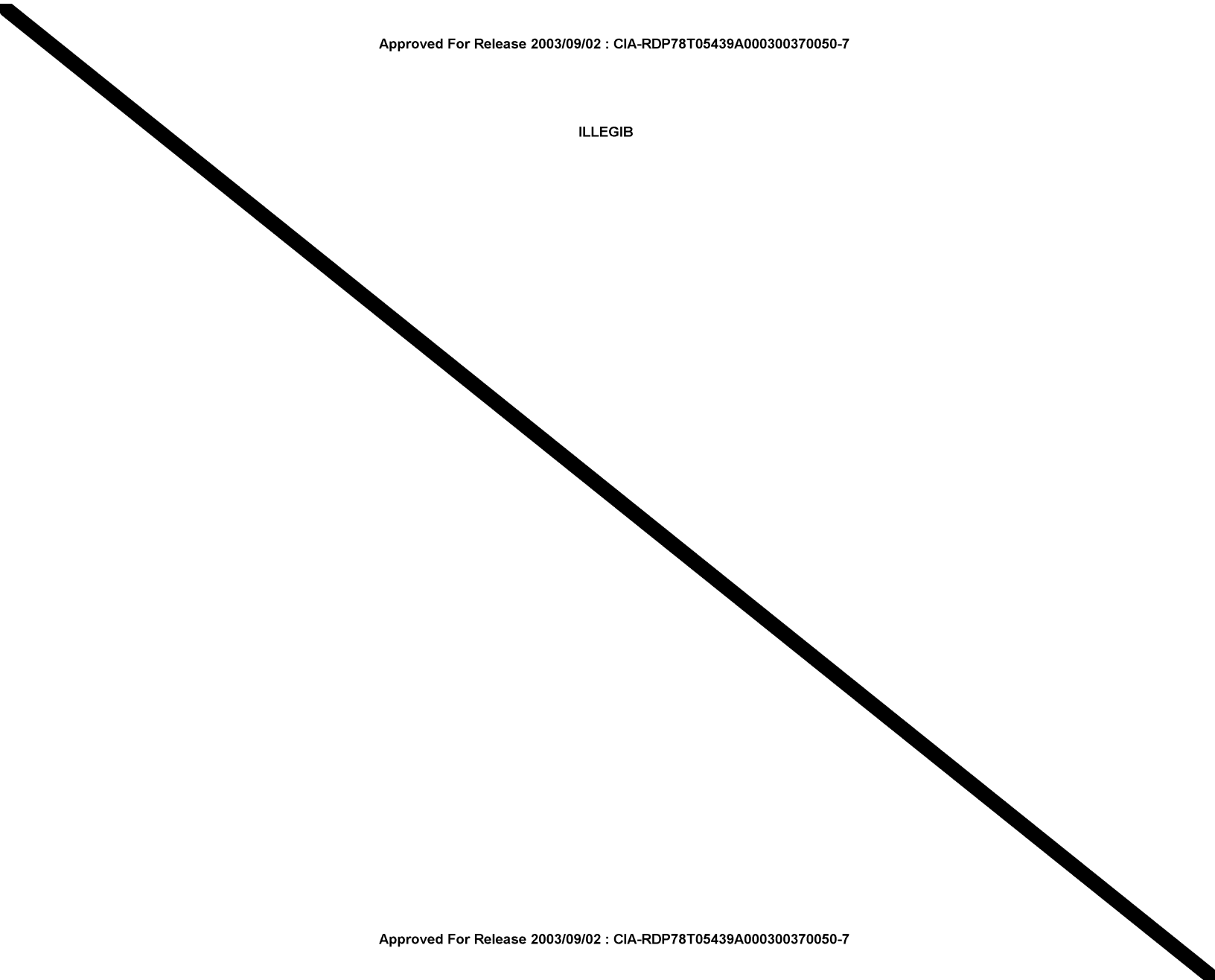

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D. Czechoslovakian Western Border SAM Defense (includes rest of the western border of Czechoslovakia)

25X1A	12	Karlovy Vary SAM Site A11-2 [redacted]	50-13-00N 12-50-00E	CZ 0243-H	SA-2, configuration undetermined
25X1A	13	Plzen SAM Site A-2 [redacted]	49-36-20N 13-38-15E	CZ 0243-H	SA-2, probable link

[redacted] 25X1D

E. Prague (Czechoslovakian SAM Defense (includes rest of Prague capital of Czechoslovakia, governmental, industrial, and military center of Czechoslovakia)

25X1A	14	Prague SAM Site B [redacted]	50-06-25N 14-23-15E	CZ 0243-H	SA-2, fan
	15	Prague SAM Site C [redacted]	50-02-55N 14-12-00E	CZ 0243-H	SA-2, probable fan
	16	Prague SAM Site B [redacted]	49-59-20N 14-37-30E	CZ 0243-H	SA-2, probable fan
	17	Prague SAM Site C [redacted]	50-04-55N 14-25-30E	CZ 0243-H	SA-2, configuration undetermined
25X1A	18	Prague SAM Site B [redacted]	50-01-55N 14-43-20E	CZ 0243-H	SA-2, fan
	19	Prague SAM Site B [redacted]	50-02-00N 14-57-15E	CZ 0243-H	SA-2, probable fan
	20	Prague SAM Site B [redacted]	50-06-45N 14-15-30E	CZ 0243-H	SA-2, fan
25X1A	21	Prague SAM Site B [redacted]	50-05-00N 14-01-15E	CZ 0243-H	SA-2, fan
	22	Prague SAM Support Facility [redacted]	50-01-20N 14-03-15E	CZ 0243-H	Type I (rectangular)

[redacted] 25X1D

Data not interpreted.

F. Krakow (Poland) SAM Defense (includes rest of Krakow Airfield, a major Soviet airbase in Poland)

25X1A	23	Rzeszow SAM Site A [redacted]	50-05-20N 21-58-55E	PO 0243-S	SA-2, link

G. Defensive Role Undetermined

25X1A	24	Halle SAM Site A21-2 [redacted]	51-29-55N 11-56-15E	GE 0243-S	SA-2, configuration undetermined

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